

What is claimed:

1. A target for photogrammetric analytic measurement, which is photographed with an object by a camera in said photogrammetric analytic measurement, said target comprising:

5 a first bar and a second bar that are connected to each other;

at least three standard point members that are fixed on said first bar and said second bar, said at least three standard point members lying on one plane; and

10 non-reflecting members that are respectively attachable to and removable from said at least three standard points.

2. The target of claim 1, wherein said at least three standard point members respectively comprise a circular portion, a diameter of which substantially equals a width of  
15 said first bar and said second bar.

3. The target of claim 2, wherein each of said non-reflecting members comprises a circular plate defining a circular opening, a diameter of which substantially equals said diameter of said circular portion of said at least three  
20 standard point members.

4. The target of claim 3, wherein a reflecting sheet, by which a reflecting amount of incident light thereon is increased, is attached on a surface of said circular portion,

and a non-reflecting sheet, by which a reflecting amount of incident light thereon is reduced, is attached on a surface of said non-reflecting members, said surface of said circular portion and said surface of said non-reflecting members being  
5 on a side opposite to a side of said first bar and said second bar, when said non-reflecting members are respectively attached to said standard point members.

5. The target of claim 4, wherein said reflecting sheet and said non-reflecting sheet are positioned on said  
10 one plane.

6. The target of claim 3, wherein one of each of said at least three standard point members and each of said non-reflecting members comprises a ferromagnet; and

wherein another of each of said at least three standard  
15 point members and each of said non-reflecting members comprises a magnetic material.

7. The target of claim 6, wherein each of said at least three standard point members comprises a magnet that is ring shaped, a center point of which is coincident with a  
20 center point of said circular portion; and

wherein each of said non-reflecting members comprises a metal material that is attached to said magnet by magnetic force, said metal material being placed around said circular

P24705.CL1

opening, on a surface opposite to said surface to which said non-reflecting sheet is attached.

8. The target of claim 6, wherein said standard point members define a reference plane, said target further  
5 comprising:

a first tilt sensor that senses a first tilt angle to a horizontal plane around a first axis on said reference plane;

a second tilt sensor that senses a second tilt angle to  
10 said horizontal plane around a second axis which is perpendicular to said first axis, on said reference plane;

an azimuth sensor that senses an azimuth; and

a transmitter that transmits data of said first tilt angle, said second tilt angle and said azimuth by wireless.

15 9. The target of claim 8, wherein each of said non-reflecting members comprise an electrically conductive material.

10. The target of claim 8, wherein said azimuth sensor is placed between two of said at least three standard point  
20 members, which are adjoining.

11. The target of claim 1, wherein one end of said first bar and is rotatably connected to one end of said second bar;

wherein when said target is in an operational position, said first bar and said second bar are fixed such that said first bar and said second bar are perpendicular to each other; and

5       when said target is not in the operational position, said first bar and said second bar are fixed such that said first bar and said second bar are substantially parallel to each other.

12. The target of claim 11, further comprising:

10       a fixing member that fixes a relational position between said first bar and said second bar such that said first bar and said second bar are perpendicular to each other, when said target is in said operational position;

      a hinge that rotatably connects said fixing member to  
15 said first bar; and

      a lock hinge by which said fixing member is attachable to and removable from said second bar.

13. The target of claim 12, further comprising:

      a first fixing mechanism that fixes said second bar to  
20 said first bar such that said second bar is parallel to said first bar when said target is not in said operational position; and

      a second fixing mechanism that fixes said fixing member

P24705.CL1

to said first bar such that said fixing member is placed  
between said first bar and said second bar when said target  
is not in said operational position.